Minh Chau Pham

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🖥 Personal Blog: https://chaupmcs.github.io

RESEARCH INTERESTS

- Machine Learning, Explainable AI, Visual Analytics, and Data Mining

EDUCATION

- Texas Tech University (TTU), USA (Jan 2020 - now)
    - Ph.D. in Computer Science
    - Research Assistant at Interactive Data Visualization Lab
    - Latest GPA: 4.0/4.0
- Ho Chi Minh City University of Technology (HCMUT), Vietnam (2013 - 2018)
    - Bachelor of Engineering in Computer Science (**Honor Program)**
    - Relevant Courses: Data Mining, Artificial Intelligence, Machine Learning

- Quoc Hoc - Hue High School for the Gifted, Vietnam (2010 - 2013), specialized in Maths

WORK EXPERIENCE

9/2018-1/2020   **R&D Data Scientist at VNG, Ho Chi Minh, Vietnam**.
- Defining problems and proposing tech solutions
- Analyzing daily logs from multiple sources
- Building Machine Learning models to help business decision-making problems and controlling their pipelines.
- Focusing on user profile mining

1-9/2018   **IT Management Trainee at Prudential Vietnam Assurance**.
- Having different roles and responsibility to get the whole picture in software development
- Understanding what and how IT can help to improve the business

6-11/2016   **Data Scientist at VNG, Ho Chi Minh, Vietnam (Intern)**.
- Detecting anomaly points in time series
- Applying fundamental machine learning and data mining models in business

PUBLICATIONS

[1] **Chau Pham**, Vung Pham, and Tommy Dang, "GenExplorer: Visualizing and Comparing Gene Expression Levels via Differential Charts", ISVC 2020: 15th International Symposium on Visual Computing, San Diego, California, USA, 2020.

[2] **Chau Pham**, Vung Pham, and Tommy Dang, "Solar Flare Prediction using Two-tier Ensemble with Deep Learning and Gradient Boosting Machine", 2019 IEEE International Conference on Big Data (Big Data), Los Angeles, CA, USA, 2019, pp. 5844-5853.

[3] **Pham Minh Chau**, Bui Minh Duc, and Duong Tuan Anh. 2018. Discord Discovery in Streaming Time Series based on an Improved HOT SAX Algorithm. In Proceedings of the Ninth International Symposium on Information and Communication Technology (SoICT 2018). Association for Computing Machinery, New York, NY, USA, 24–30. DOI:https://doi.org/10.1145/3287921.3287929.

[4] **Pham Minh Chau**, Bui Minh Duc, and Duong Tuan Anh, "Discord Detection in Streaming Time Series with the Support of R-Tree", 2018 International Conference on Advanced Computing and Applications (ACOMP), Ho Chi Minh City, 2018, pp. 96-103.

SKILLS & CERTIFICATES

- **Languages:** Vietnamese (mother tongue), English (IELTS 7.5)
- **GRE:** V: 145, Q: 170
- **Programming Languages:** $Python$, C/C_{++}, $Java$, $JavaScript$
- Good knowledge in Machine Learning techniques such as Gradient Boosting, and Deep Neural Networks
- Solid knowledge in algorithms and data structures

HONOR AND AWARDS

- **7th** in *KDD Cup - Adversarial Attacks and Defense on Academic Graph (2020)*
- **Research Assistantship** by Texas Tech University (2020)
- **Outstanding Employee** for remarkable contribution in IT department by *Prudential Vietnam Assurance* (2018)
- **Scholarship for Excellent Student in Academic Year 2017-2018** by *HCMUT*
- *Top 10* in **Entropy - Data Mining Competition** (2016) held by *John Von Neumann Institute*
- *Runner-up* in **Facebook Vietnam Hackathon** (2016) held by *Facebook*
- *Consolation prize* in **Maths Olympic for Excellent High School Students in Northern & Central Vietnam - Ha Long city** (2011)
- *First Honor Student*: **Highest Maths Score in the Entrance Exam** of *Quoc Hoc - Hue High School for the Gifted* (2010).

EXTRA ACTIVITIES

- Member at *Drink and Talk English Club* and *Badminton Club* (2017 - 2020)
- Counselor for *Spring Volunteer Campaign* (2016)

REFERENCES

Assoc. Prof. Duong Tuan Anh, Ph.D - Lecturer at HCMUT
Email: dtanh@cse.hcmut.edu.vn

Mr. Phan Van Hoang Son - Principal Data Scientist, VNG corporation
Email: Sonpvh@vng.com.vn